



# Nimble Solution Specialist December Tech Tools Webinar

**Tony Booth**  
**Director of Channel GTM Strategy**  
**North America**

# NSS December Tech Tools Webinar

## Agenda



- Opening Comments and NSS Program Update
  - Tony Booth, Nimble Director of Channels GTM Strategy
- Technical Overview: Nimble Storage and Veeam Availability Suite 9.5
  - Jeannine Walter, Nimble Sr. Tech Marketing Engineer
  - Shawn Lieu, Veeam Solutions Architect
- Closing Comments

- Join the NSS Community Page
- Site Analyzer Assessment Tool is on hold
  - New SPIFF Announcement coming soon
- Training Schedule Update
  - SmartStack Classes: Jan 17-19, Broomfield CO
  - Nimble Architecting and Sizing Class: Coming in April 2017
  - Training Schedule Calendar by January Update



# Veeam and Nimble: Meet Enterprise SLAs with Expanded Storage Snapshot Integration

Jeannine Walter, Nimble Sr. Tech Marketing Engineer  
Shawn Lieu, Veeam Solutions Architect

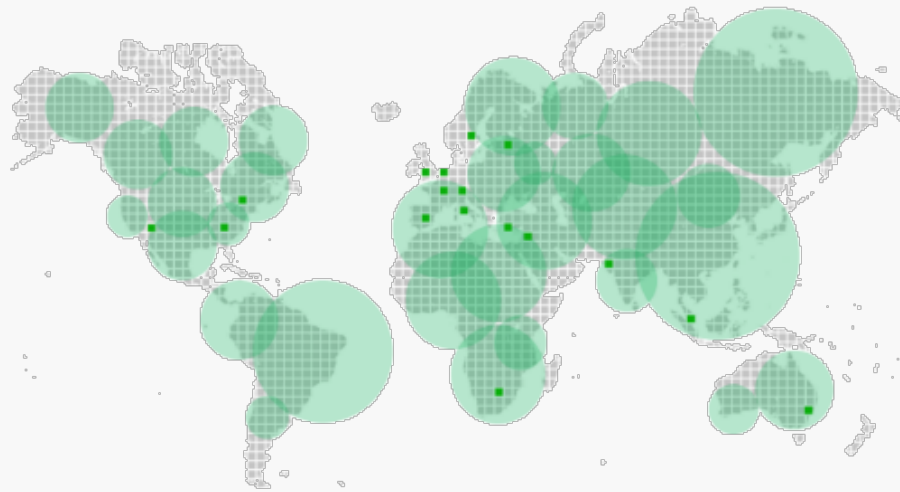


Meet enterprise SLAs with improved backup windows  
and more efficient recoveries

**NEW** Veeam v9.5 expands storage snapshot integration  
to Nimble storage

- Minimize service and application downtime with RTPO™  
under 15 minutes
- Accelerate performance with Adaptive Flash and non-  
disruptive VM backup from snapshots
- Consistent protection with application-aware backups

# About Veeam & Nimble Storage



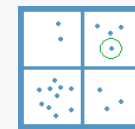
## 5+ years

Elite Alliance Partner



## 1,200+

Mutual customers worldwide

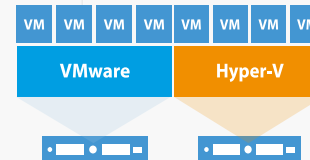


## Leader

Gartner Magic Quadrant

## Virtualization

Veeam, built for virtualization  
Nimble, nearly 100% having a virtual server footprint



24/7 operations



No patience for  
downtime and data loss



Growing amount  
of data



Enable the Always-On Enterprise™



**AVAILABILITY**  
for the Always-On Enterprise™



**High-Speed  
Recovery**



**Data Loss  
Avoidance**



**Verified  
Protection**



**Leveraged  
Data**



**Complete  
Visibility**

Modern Data Center

Virtualization

VM

Modern storage



Cloud

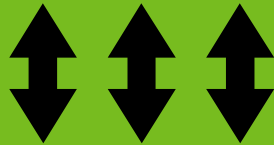


# Single Architecture from Nimble + Veeam



## Unified Flash Fabric™ Single Consolidation Architecture

All Flash Array



Adaptive Flash Array

**All Flash:  
100% Flash**

Maximum performance for primary storage

- Tier-1 applications

**Adaptive Flash:  
Up to 100% Flash**

Common  
Data  
Services

Data Protection  
workflows/orchestration  
by

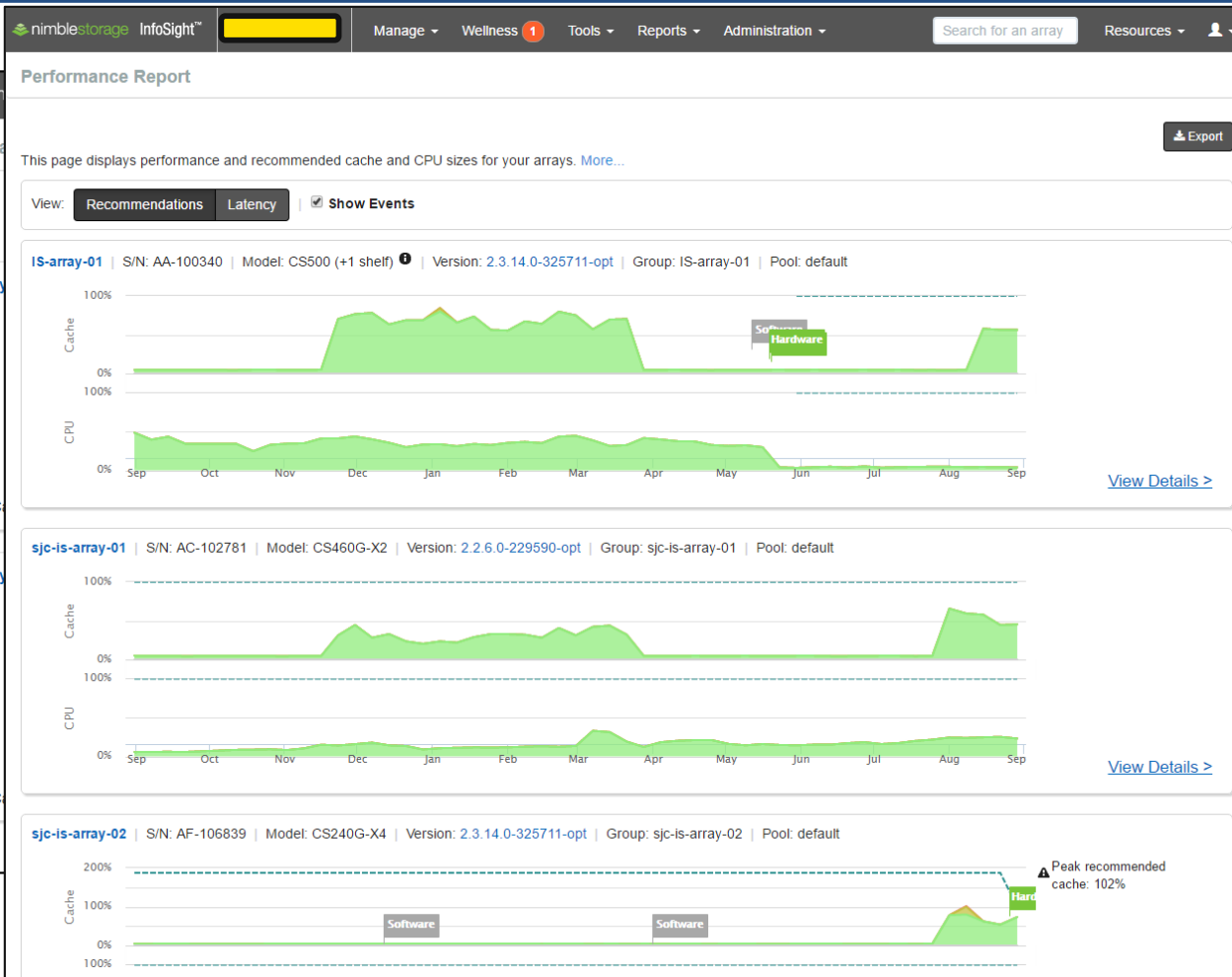


Optimized price and performance for secondary storage

- Backup data
- disaster recovery
- Mainstream applications



# InfoSight Simplifies Complex Planning



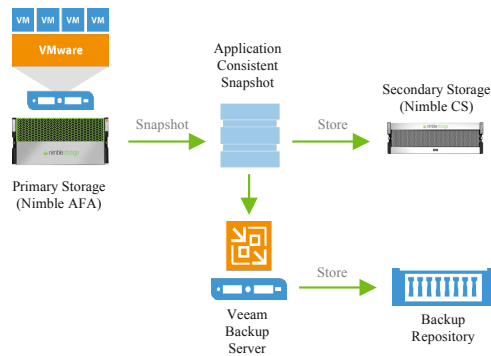
## Key Insights

- What is our current growth rate?
- When will we likely need more storage capacity?
- How do we report back to the business?
- How much headroom do we have for new applications or workloads?

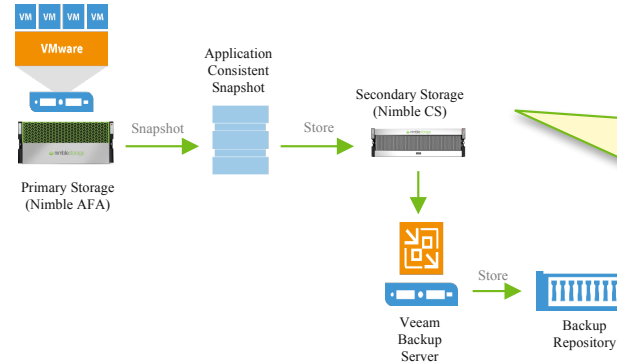
# Use Cases - Integrated Data Protection with Veeam



## Backup from Primary



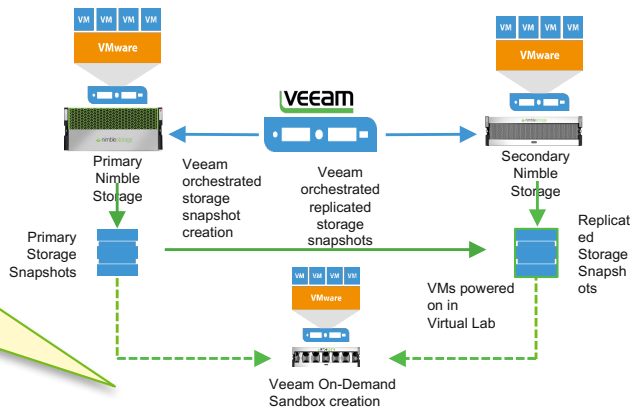
## Backup from Secondary



**Low RPO**

- Reduce impact on primary storage
- Enable more frequent backups even during business hours

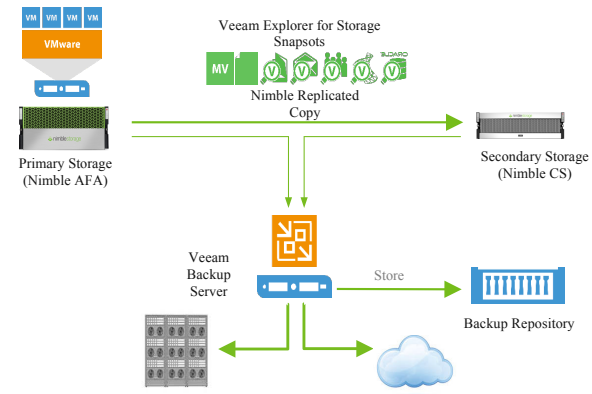
## On-Demand Sandbox



### Sandbox benefits

- Validate Backup & DR strategy
- Fast & easy test, dev, troubleshooting

## Replicate for Remote DR



# The 3-2-1 backup rule with snapshot

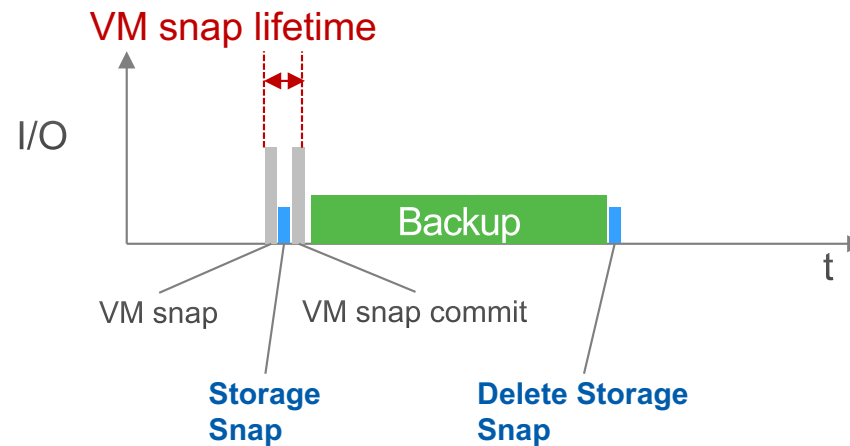


Strength and key capabilities	Backup	Snapshot
Instantly created	✗	✓
Consistent backups	✓	✓*
Offsite copy to external media	✓	✗
Not reliant on the data source	✓	✗
Improves RPO	✗	✓
Corruption/Error check	✓	✗
Highly space efficient	✗	✓
Avoid human mistakes	✓	✗
Long Term retention	✓	✗
Very fast restore of the whole data	✗	✓

\*with application integrations

Together, snapshots  
and backups deliver  
***Availability for the  
Always-On Enterprise***

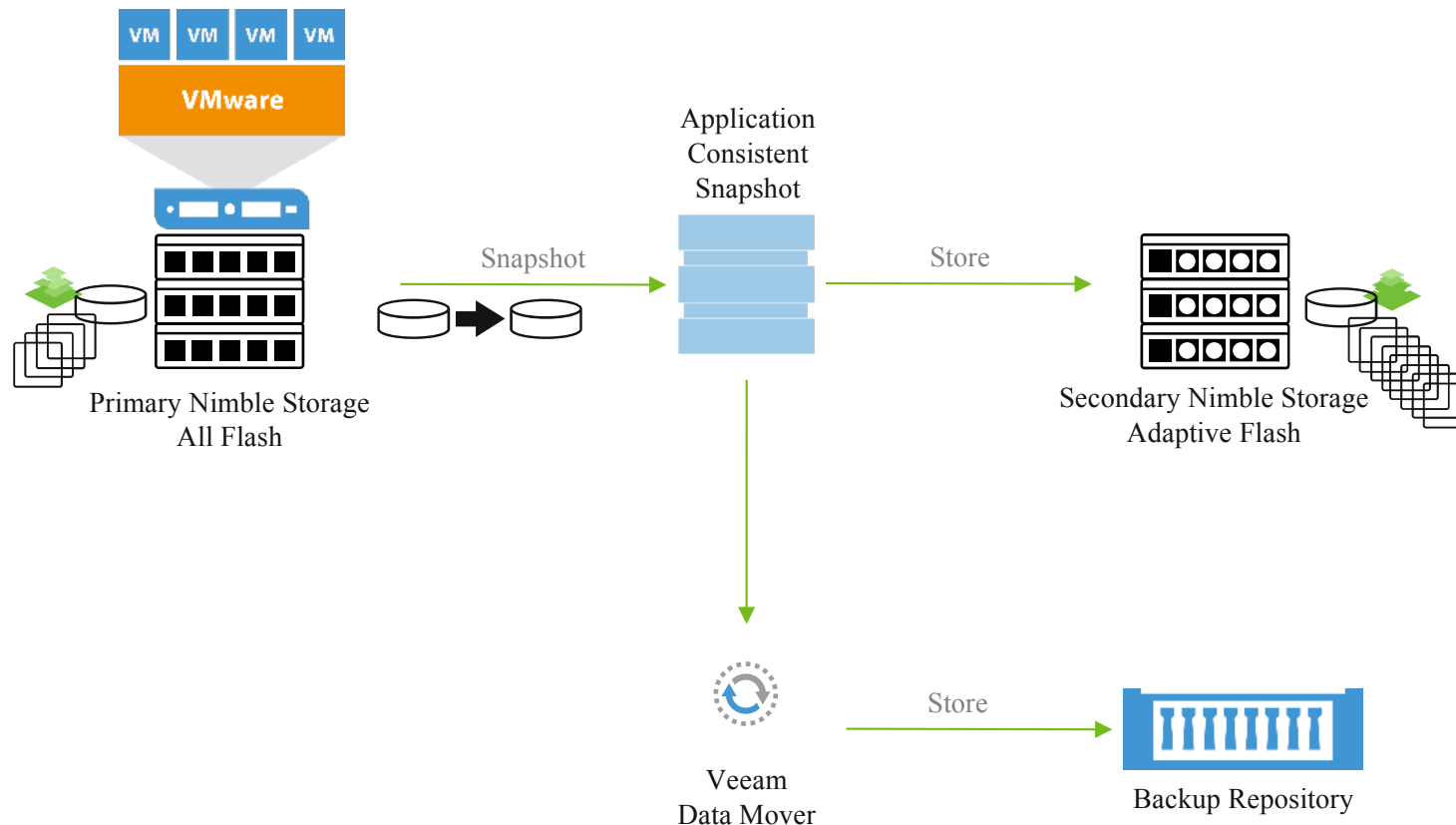
# VMware Snapshot Challenges with Nimble Storage Integration



- Faster commit with less data.
- Nearly instant VM Snapshot commit.
- Use of Storage Snapshot for Backup.

# Backup from Primary Storage Snapshots

...OR from Secondary Storage to remove any impact from Production



# Backup from/to Snap

### New Backup Job

**Storage**  
Specify processing proxy server to be used for source data retrieval, backup repository to store the backup files produced by this job and customize advanced job settings if required.

**Name**

**Virtual Machines**

**Storage**

**Guest Processing**

**Schedule**

**Summary**

**Backup proxy:**  
Automatic selection Choose...

**Backup repository:**  
Nimble Respository 2 (10.x.x.60) ▼  
Nimble Backup Repository (Created by WIN-32437EJS70S\Administrator at 7/11/20)  
Nimble Respository 2 (10.x.x.60)  
Nimble SnapShot (Primary storage snapshot only)

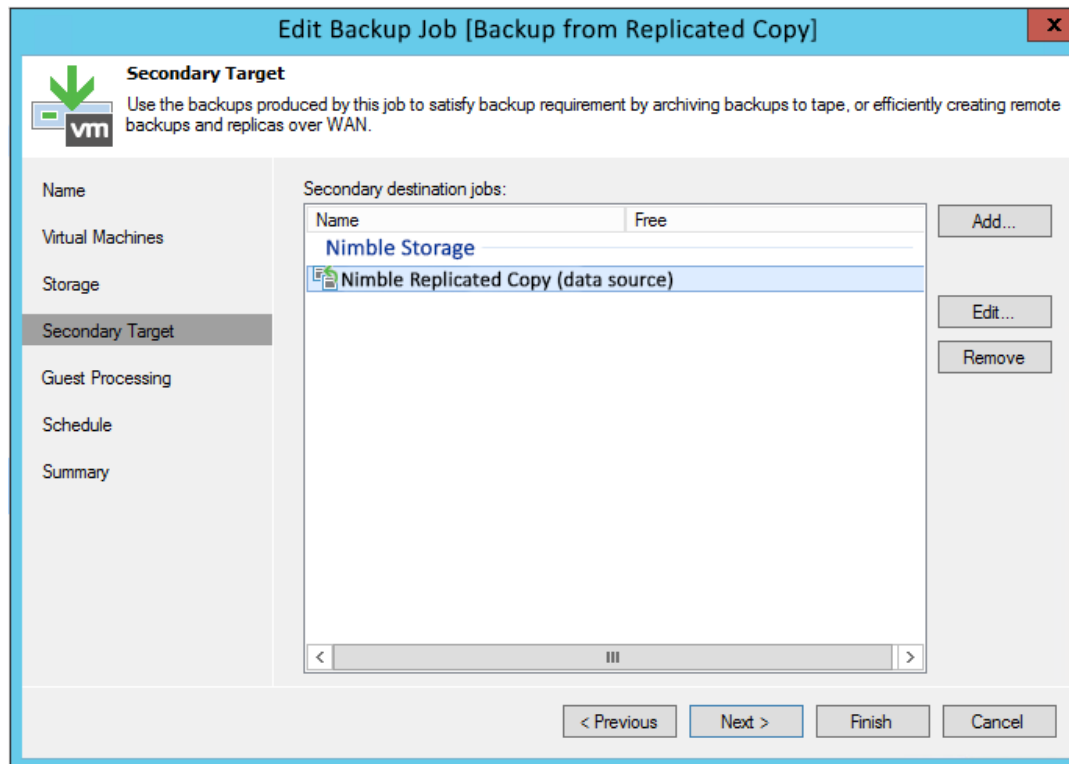
**Retention policy**  
Restore points to keep on disk: 5 ▲▼ i

Configure secondary destinations for this job  
Copy backups produced by this job to another backup repository, or to tape. Best practices recommend maintaining at least 2 backups of production data, with one of them being off-site.

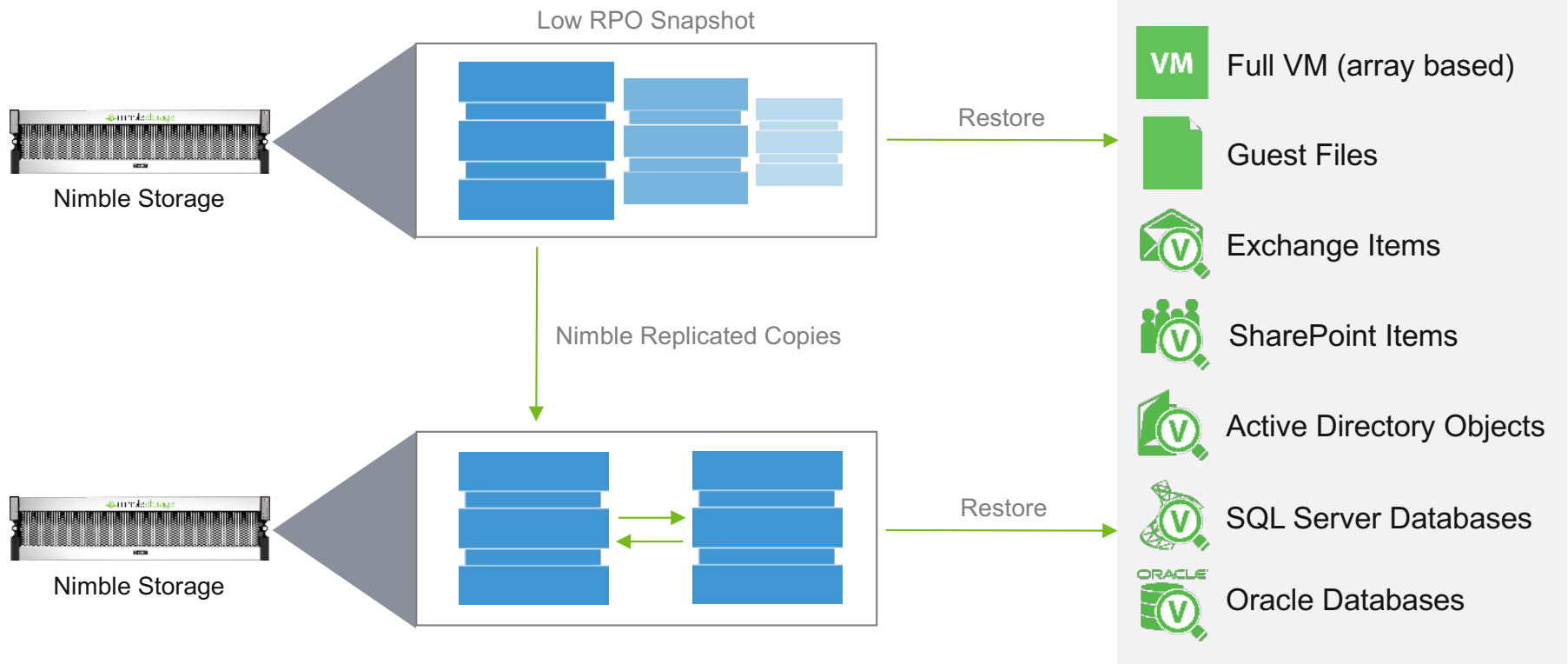
Advanced job settings include backup mode, compression and deduplication, block size, notification settings, automated post-job activity and other settings. ⚙️ Advanced

< Previous Next > Finish Cancel

## Secondary-one of only two vendors capable of replicated backup



# Veeam Explorer™ for Storage Snapshots







# Application Item Recovery



The screenshot displays the Veeam Explorer for Oracle application. The interface is divided into several panes:

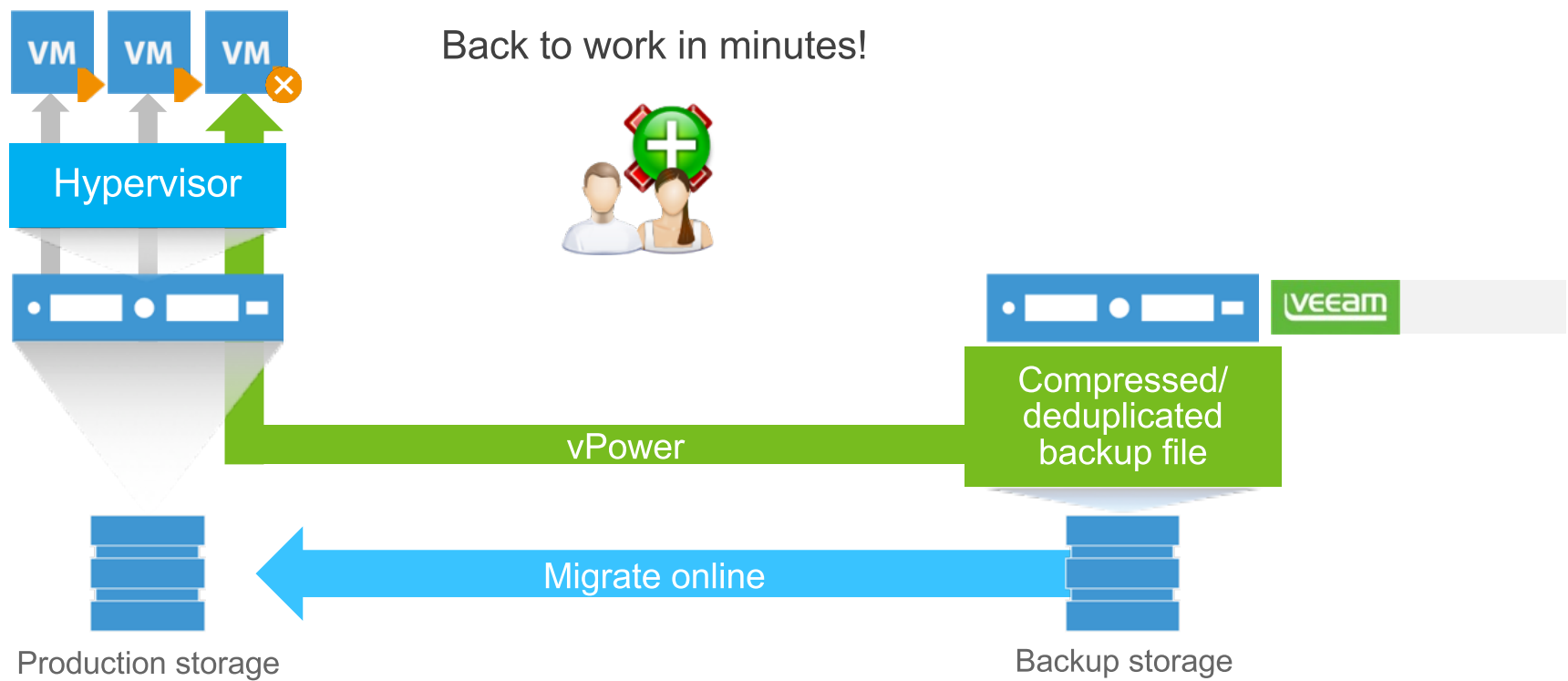
- MAILBOX STORES:** Lists various mailbox folders like Alerts, Calendar, Deleted Items, Drafts, Inbox, Journal, Junk E-Mail, News Feed, Notes, Outlook, Permanently Deleted Items, RSS Feeds, Sent Items, Suggested Contacts, Sync Issues, and Tasks.
- CONTENT DATABASES:** Shows a tree structure for 'WSS\_Content.mdf' and 'Veeam ATL LAB' with sub-items like Announcements, Calendar, Cloud Connect, Customized Reports, Form Templates, Links, Shared Documents, Site Assets, Site Pages, Style Library, Tasks, Team Discussion, Veeam Availability Suite, Veeam MP, and VeeamONE.
- ACTIVE DIRECTORY DATABASES:** Displays a tree for 'Active Directory' with sub-items like Users and Computers, AD Demo, Computers, Dev Team, Domain Controllers, ForeignSecurityPrincipals, Horizon6, ISE's, Computers, Managed Service Accounts, Microsoft Exchange Security I, OSE's, Program Data, QC Users, Service Accounts, System Center demo account, TLA, Users, Veeam LAB, Windows8, and Group Policy Objects.
- DATABASES:** Shows a tree for 'ATLSQL01' with sub-items 'VEEAM\_DEMOS' and 'Veeam\_Demos\_1'. A context menu is open over 'Veeam\_Demos\_1', listing 'Restore', 'Export to', and 'Export d'.
- Database Info:** Displays details for 'ALPORACLE01.GA.LOCAL' and 'OraDB12Home1', including Name, Oracle SID, and ARCHIVELOG status.
- Available Restore Period:** Shows 'Not available'.
- Database Files:** Lists control files and data files paths.

At the bottom, a status bar indicates 'All items loaded', '3 items (Total size: 34 KB)', 'Databases\WSS\_Content.mdf\Veeam ATL LAB\Content\Shan', 'Load completed', '5 objects found.', and 'ORCL'. The Veeam logo is visible in the bottom right corner.

# Recovery of MSSQL Database Using Veeam Availability Suite 9.5



# Instant VM Recovery – How it works



# Virtual Lab



Leveraged  
Data

## Virtual Lab

Put your backup storage — and DR site — to work!

### **NEW** On-Demand Sandbox™ for Storage Snapshots

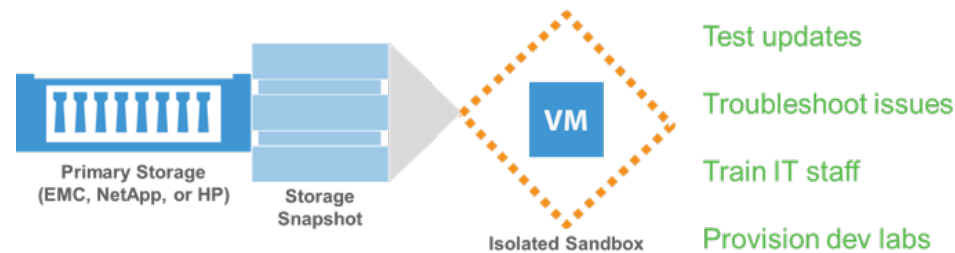
A production environment in a sandbox

Leverage your primary storage investment and mitigate risk

Test updates or troubleshoot your production environment

Available with VMware vSphere and Nimble – v9.5

Provision a complete, isolated copy of your production environment in just a few clicks by running copies of production VMs directly from storage snapshots



All Nimble Storage (Firmware 2.3.16 and above) including:

- CS arrays
- AF arrays

Hypervisors & Platforms:

- VMware ESXi / vSphere 6.0, 5.x & 4.1

# Veeam – Data Protection News and Resources



## In the News

- Veeam v9.5 Announcement: <https://www.veeam.com/news/advanced-integration-with-nimble-storage.html>
- Blog post: <https://www.nimblestorage.com/blog/data-availability-improves-with-nimble-veeam-integration/>

## On the Web

- Nimble Data Protection solution page  
<https://www.nimblestorage.com/solutions/data-protection/>
- Veeam on the web  
<http://www.veeam.com/>

Reach Jeannine at:

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